## AMENDMENTS TO THE CLAIMS

 (Previously presented) A process to refine a conjugated linoleic acidcontaining material comprising:

distilling a first ester stream containing esters of conjugated linoleic acids using a distillation apparatus containing a fractionating column and a heater, wherein the heater is operated at a temperature in the range of 240° C to 270° C, the first ester stream comprising c9,t11 and t10,c12 isomers of the esters of conjugated linoleic acids; and

producing a second ester stream enriched in the c9,t11 and t10,c12 isomers of the esters of conjugated linoleic acids.

(Original) The process of claim 1, wherein the distilling step uses a single or multi-pass distillation operation.

## (Cancelled)

- (Original) The process of claim 1, wherein the distillation apparatus is a low residence time distillation apparatus.
- (Original) The process of claim 1, wherein the distillation apparatus is operated at a reduced pressure of greater than about 0 and lower than about 760 mmHg.
- (Original) The process of claim 1, further comprising the step of at least partially removing side products generated during the formation of the first ester stream.
- 7 (Original) The process of claim 1, further comprising the step of at least partially removing unconjugated linoleic acid components in the first ester stream.
- 8. (Currently amended) A process to produce a refined conjugated linoleic acid-containing material, comprising:

transesterification of a linoleic acid-containing oil to generate a composition containing linoleic acid esters:

isomerization of the composition containing linoleic acid esters to form a first stream containing c9,t11 and t10,c12 isomers of conjugated linoleic acid esters; and

distillation of the first stream in a distillation apparatus comprising a fractionating column and a heater operated at a temperature in the range of 240° C to 270° C, to produce a second stream enriched in the c9,t11 and t10,c12 isomers of conjugated linoleic acid esters compared to the first stream.

## 9. (Cancelled)

- (Original) The process of claim 8, wherein the step of isomerization is catalyzed by a catalyst base in a nonaqueous system.
- 11. (Original) The process of claim 10, wherein the catalyst base is an alkali or alkaline earth alkoxide salt of a  $C_1$ - $C_4$  alkyl group alcohol.
- (Original) The process of claim 11, wherein the cation of the alkoxide salt is a sodium, a potassium or a calcium cation.
- (Original) The process of claim 10, wherein the catalyst base is a solid or a solution in a conjugate alcohol of the alkoxide.
- 14. (Original) The process of claim 8, wherein the step of isomerization is performed between about  $90\text{-}140^\circ\text{C}$ .
- 15. (Original) The process of claim 8, wherein the step of isomerization is performed between about 110-120° C.
- (Original) The process of claim 8, wherein the linoleic acid-containing oil is selected from the group consisting of safflower oil, corn oil, sunflower oil, soybean oil,

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grape seed oil, cottonseed oil, sesame oil, derivatives thereof, and combinations thereof.

- 17. (Original) The process of claim 8, wherein the transesterification and isomerization steps are performed in one reaction vessel concurrently or sequentially without an intervening distillation step.
- 18. (Original) The process of claim 8, wherein the transesterification and isomerization steps occur concurrently in a continuous reaction system using a dual reaction zone apparatus.
- (Original) The process of claim 18, further comprising the step of at least partially removing side products from the transesterification step.
- (Original) The process of claim 18, wherein the transesterification step is completed in a first reaction zone and the isomerization step is completed in a second reaction zone.
  - 21-22. (Cancelled)